

Applicant:  
For:

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LEG HOLDER SYSTEM FOR SIMULTANEOUS  
POSITIONING IN THE ABDUCTION AND LITHOTOMY  
DIMENSIONS

1. A leg holder system for simultaneous positioning in the abduction and lithotomy dimensions comprising;

a support device for supporting a leg cradle;

a clamping device for mounting the proximate end of said support device to a mounting device having a first axis and selectively clamping and releasing motion of said support device about said first axis and about a second axis transverse to said first axis;

an actuator device for actuating said clamp to selectively clamp and release, simultaneously, said support device and said mounting device;

an operator device remote from said clamping device and actuator device for operating said actuator device to enable said support device to move simultaneously about both said first and second axes in the abduction and lithotomy dimensions; and

2. The leg holder system of claim 1 in which said clamping device includes a pair of pressure blocks, a first recess for receiving said mounting device and a second recess for receiving said support device.

1                   3.       The leg holder system of claim 2 in which said clamping device  
2 includes a biasing device for biasing said blocks to normally produce friction between  
3 said recesses and their respective mounting and support devices to clamp them in  
4 position.

1                   4.       The leg holder system of claim 1 in which said actuator device  
2 includes an actuator rod extending with said support device.

1                   5.       The leg holder system of claim 4 in which said support device  
2 includes a bore and said actuator rod is disposed in said bore.

1                   6.       The leg holder system of claim 4 in which said actuator device  
2 includes a camming device fixed to said actuator rod and a follower device disposed in  
3 said clamping device and responsive to said camming device for opposing said biasing  
4 device to simultaneously decrease the friction force on said support device and on said  
5 mounting device to release the clamping device in both axes.

1                   7.       The leg holder system of claim 1 in which said operator device  
2 includes a handle for both operating said actuator device to remotely release and secure  
3 said clamping device to said support device and said mounting device and to position said  
4 support device in the abduction and lithotomy dimensions.

1                   8.       The leg holder system of claim 1 in which said support device  
2 includes a resilient device for counterbalancing the weight borne by said support device.

1                   9.       The leg holder system of claim 6 in which said operator device  
2 includes a handle for both operating said actuator device to remotely release and secure  
3 said clamping device to said support device and said mounting device and to position said  
4 support device in the abduction and lithotomy dimensions.

1                   10.       The leg holder system of claim 9 in which the axis of said handle  
2 is coincident with the axis of said actuator rod for independent actuation of said clamp  
3 device and motion of said support device in the lithotomy dimension.

1                   11.       The leg holder system of claim 7 in which said handle includes a  
2 rotatable sleeve.

1                   12.       The leg holder system of claim 1 in which said support device  
2 includes a cradle bracket for mounting a leg cradle spaced from <sup>*said longitudinal axis*</sup> the axis of said support  
3 means.

1                   13.       The leg holder system of claim 6 in which said actuator device  
2 includes a limiter device for arresting movement of said camming device before its  
3 highest position to enable said biasing device to back-drive said camming device when

- 1 said operator device is released and automatically re-establish the clamping friction
- 2 between said recesses and said support and mounting devices.

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